Approved for use through 06/30/2003 OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE nder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number Complete if Known ute for form 1449A/PTO 09/662,006 **Application Number** September 14, 2000 Filing Date INFORMATION DISCLOSURE First Named Inventor Patrick K. Sullivan et al. STATEMENT BY APPLICANT 3736 Art Unit MALLARI, P. Examiner Name (use as many sheets as necessary) Sheet of 1 1 HOANA-65047 Attorney Docket Number **U.S. PATENT DOCUMENTS** Document Number Name of Patentee or Pages, Columns, Lines, Where Examiner Cite **Publication Date** Number Kind Code Applicant of Cited Relevant Passages or Relevant Initials* MM-DD-YYYY (if known) Document Figures Appear 4,429,699 02/07/1984 Hatschek 4,459,991 07/17/1984 Hatschek 4,475,557 10/09/1984 Hatschek et al. 4,513,748 04/30/1985 Nowogrodzki et al. 6,475,153 11/05/2002 Khair et al. 6,540,673 04/01/2003 Gopinathan et al. 6,689,069 02/10/2004 Bratteli et al.

 FOREIGN PATENT DOCUMENTS										
Cite No ¹	Foreign Patent Document			Publication Date	Name of Patentee or	Pages, Columns, Lines	T6			
	Office ³	Number ⁴	Kind ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	10			
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Application Number	09/662.006				
Filing Date	September 14, 2000				
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Group Art Unit	3736				
Examiner Name	P. Mallari				
Attorney Docket Number	HOANA-65047				

Examiner	Cite No ¹	Document I	Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, When	
loniak*		Number	Kind Code ⁷ (if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Refevant Figures Appear	
7		US-6.195.008 B1		02-27-2001	Bader		
		US-6,248.064 B1	-	06-19-2001	Gopinathan et al.		
		US-6,312,387 BI		11-06-2001	Nissila et al.		
		US-6.315,719 BI		11-13-2001	Rode et al.		
		US-6,375,621 B1		04-23-2002	Sullivan	·	
		US-6,402,691 B1		06-11-2002	Peddicord et al.	1	
		US-6,413,223 B1		07-02-2002	Yang et al.	±	
		US-6,415,033 BI		07-02-2002	Halleck et al.	Č	
		US-6,425,872 B1		07-30-2002	Hagiwara et al.	7	
		US-6,440,082 B1		08-27-2002	Joo et al.	7	
		US-6,485,441 B2		11-26-2002	Woodward	-	
		US-6,491,647 BI	_	12-10-2002	Bridger et al.		
		US-6,494,829 B1		12-17-2002	New, Jr. et al.		
		US-6,497,658 B2		12-24-2002	Roizen et al.		
		US-6.506.153 B1		01-14-2003	Littek et al.	T	
		US-6.547.743 B2		04-15-2003	Brydon		
		US-6,554,773 B1		04-29-2003	Nissila et al.		
		US-6,565,515 B2		05-20-2003	Ogura		
		US-6,575,902 B1		06-10-2003	Burton		
		US-6,575,915 B2		06-10-2003	Nissila et al.		
_	-	US-6,575,916 B2		06-10-2003	Halleck et al.		
R		US-6,579,232 B2		06-17-2003	Sakamaki et al.	1	

FOREIGN PATENT DOCUMENTS									
	Cite No ¹	Foreign Patent Document			Publication Date	Name of Patensee or	Pages, Columns, Lines Where Relevant Passages		
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First Named Inventor	P. Sullivan .
Group Art Unit	3736
Examiner Name	P. Mallari
Attorney Docket Number	HOANA-65047

	U.S. PATENT DOCUMENTS								
Examiner Initials*	Cite No ¹	Number Document N	fumber Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
7		US-6,599,251 B2		07-29-2003	Chen et al.				
G		US-6,600,949 B1		07-29-2003	Turcott				
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	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS							
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R	-	J. SIIVOLA, New Naninvasive Piezoelectric Transducer for Recording of Respiration, Heart Rate and Body Movements, Medical & Biological Engineering & Computing, Vol. 27, No. 4, July 1989, pp. 423-424.						
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